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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION OF SHELL OIL COMPANY }
FOR APPROVAL OF A WATER FLOOD }
PROJECT, LEA COUNTY, NEW MEXICO }

Case No. 3034

A P P L I C A T I O N

Comes now Shell Oil Company and applies to the New Mexico Oil Conservation Commission for approval of a water flood project in the Langlie-Mattix Pool, Lea County, New Mexico, and in support of its application states:

1. Shell Oil Company is the owner and operator of the SW $\frac{1}{4}$ and the W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section ¹⁴12, and of all of Section 23, except the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 23, T.24S., R.37E., Lea County, New Mexico.

2. Said properties are presently developed in the Langlie-Mattix Pool by 18 wells, 14 of which are presently producing, 3 of which are temporarily abandoned, and one of which is a dry hole.

3. Shell Oil Company proposes to institute a water flood project on said properties by the conversion of 9 wells located thereon to water injection; the location of said wells is as shown on the plat and tabulation attached to and made a part of this application.

4. The average daily rate of injection of water into each of said injection wells will vary between 300 and 350 barrels; the total water requirement for the project is estimated to be four million barrels.

5. Attached to and made a part of this application is a diagrammatic sketch of a typical injection well for this project.

6. The wells on said property to be included in the

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water flood project all have reached an advanced state of depletion and are properly to be considered "stripper" wells.

7. Approval of the subject application will prevent waste and protect correlative rights.

WHEREOFRE, Shell Oil Company requests that this application be set for hearing before the Commission, or one of its Examiners, and that an order be entered approving this application.

SETH, MONTGOMERY, FEDERICI & ANDREWS

By Richard S. Morris

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Attorneys for Shell Oil Company

DOCKET MAILED

Date 4-17-64
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